

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-192774

(43)Date of publication of application : 09.07.2003

(51)Int.Cl.

C08G 63/08
C08G 63/91
// C08L101/16

(21)Application number : 2002-336846

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(22)Date of filing : 20.11.2002

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(30)Priority

Priority number : 2001 200172538 Priority date : 21.11.2001 Priority country : KR

(54) BIODEGRADABLE POLYLACTIDE, POLYGLYCOLIDE OR LACTIDE GLYCOLIDE
COPOLYMER/POLY- ϵ -CAPROLACTONE MULTI-BLOCK COPOLYMER AND ITS
PRODUCTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a biodegradable copolymer which excels in mechanical properties such as flexibility and elasticity and can suitably control the period of biodegradable time, its production method, and a medical treatment material from the above biodegradable copolymer.

SOLUTION: The biodegradable multi-block copolymer is represented by formula (1): $-(A-COO-PCL-COO-)_n-$ [wherein A is a polylactide (PL), a polyglycolide (PG) or a polylactide polyglycolide copolymer (PL/PG); PCL is a poly- ϵ -caprolactone; and n is an integer of 2-2,000], and its production method is disclosed.

